

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011990

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07H19/04 A61K31/7052 A61K7/42 A61P17/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07H A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KRAUCH, T. ET AL: "Synthesis and behavior of nucleoside surface-active derivatives in monolayers" COLLOIDS AND SURFACES , 57(3-4), 383-91 CODEN: COSUD3; ISSN: 0166-6622, 1991, XP002317768 the whole document	1
X	ZINNI, MARIA A. ET AL: "Regioselective preparation of 2', 3'-di-O-acylribonucleosides carrying lipophilic acyl groups through a lipase-catalysed alcoholysis" BIOTECHNOLOGY LETTERS , 24(12), 979-983 CODEN: BILED3; ISSN: 0141-5492, 2002, XP002317769 the whole document	1

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

03/03/2005

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YUN, YOUNG JI ET AL: "Novel thymidine-based organogelators and their gelation behaviors" CHEMICAL COMMUNICATIONS (CAMBRIDGE, UNITED KINGDOM) , (2), 254-255 CODEN: CHCOFS; ISSN: 1359-7345, 2003, XP002317770 the whole document	1
X	LI, CHUN ET AL: "Molecular Recognition Capabilities of a Nucleolipid Amphiphile (3',5'-Distearoyl)-2'-Deoxythymidine to Adenosine at the Air/Water Interface and Langmuir-Blodgett Films Studied by Molecular Spectroscopy" LANGMUIR , 16(20), 7701-7707 CODEN: LANGD5; ISSN: 0743-7463, 2000, XP002317771 the whole document	1
X	MORIS, FRANCISCO ET AL: "A useful and versatile procedure for the acylation of nucleosides through an enzymic reaction" JOURNAL OF ORGANIC CHEMISTRY , 58(3), 653-60 CODEN: JOCEAH; ISSN: 0022-3263, 1993, XP002212949 the whole document	1,8,9
X	GB 1 297 398 A (TAKEDA) 22 November 1972 (1972-11-22) the whole document	1
X	US 6 153 594 A (BOERRETZEN ET AL) 28 November 2000 (2000-11-28) figure 4k	1,3,4
X	US 6 348 451 B1 (VON BORSTEL REID WARREN ET AL) 19 February 2002 (2002-02-19) the whole document	1,3-7
X	EP 0 450 102 A (YAMASA SHOYU KABUSHIKI KAISHA) 9 October 1991 (1991-10-09) the whole document	1,3,4
X	WO 02/088159 A (SUSILO, RUDY) 7 November 2002 (2002-11-07) claims 8-10	1-4
X	HAMMEL, MICHAL ET AL: "Structural characterisation of nucleoside loaded low density lipoprotein as a main criterion for the applicability as drug delivery system" CHEMISTRY AND PHYSICS OF LIPIDS , 123(2), 193-207 CODEN: CPLIA4; ISSN: 0009-3084, 2003, XP002317773 the whole document	1

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X	HUANG, JIANGUO ET AL: "Synthesis of novel nucleolipid amphiphiles" SYNTHETIC COMMUNICATIONS , 27(4), 681-690 CODEN: SYNCAV; ISSN: 0039-7911, 1997, XP009044059 the whole document	1
X	PARANG, K. ET AL: "Syntheses and biological evaluation of 5'-O-myristoyl derivatives of thymidine against human immunodeficiency virus" ANTIVIRAL CHEMISTRY & CHEMOTHERAPY , 8(5), 417-427 CODEN: ACCHEH; ISSN: 0956-3202, 1997, XP009044063 the whole document	1
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